Shaurya Chandhoke

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PROFESSIONAL EXPERIENCE

ADP   Roseland, NJ
Full Stack Software Engineer, API Tooling and Marketplace   Aug 2020 – Present
- Spearheaded design-to-delivery system development pipeline using JavaScript, Spring Boot, GraphQL, and Elasticsearch for API architecture; increased API production rates by 35%.
- Optimized Angular web components for improved site rendering of large JSON documents; resulted in 10-20 second efficiency gains and high SEO metrics.
- Instantiated autonomous microservices orchestrated with Docker and Kubernetes to perform scheduled mark-and-sweep cron jobs across all team applications; reduced extraneous resources by 40%.
- Generated monthly big data Python reports powered by Spark and Databricks to refine applications by analyzing user behavior; achieved 12%-15% reduction in negative user feedback scores.
- Directed the collaboration effort with engineers to successfully migrate on-premise applications to AWS EC2, Lambda, and S3 products whilst optimizing code performance; cut down operating costs by 17%.
- Developed and deployed modular API recommendation system utilizing machine learning algorithms created using AWS SageMaker and facilitated through AWS Step Functions; increased user conversion rate by 10%.

ADP   Roseland, NJ
Software Engineering Intern   May 2019 – Aug 2019
- Revamped 5+ server-side Node.js CLI tools for efficient API library bundling and contract schema validation; presented improvements to project manager for infrastructure-wide integration.
- Engaged with architects, engineers, and QA on NLP using IBM Watson for Slack and WebEx; obtained 100% adoption rate of solution in alpha stage from test groups.
- Instituted custom bug triaging framework within Jenkins CI/CD development environments; streamlined average priority bug resolution time from 1 week to 8 hours.

ROBOTICS AND DATA LABORATORY   Newark, NJ
Embedded Computing Research Assistant   Jan 2018 – Dec 2018
- Architected multithreaded SLAM sensor fusion algorithm in C++ on NVIDIA Jetson GPU boards; fabricated low-latency solution for NJ Department of Transportation.
- Manufactured system for connecting A2M8 lidar with Zumo 32U4 robot; published system design proposal to university research department.
- Engineered cost effective roadway pothole mapping application in Qt utilizing lidar sensor data streaming pipelines; awarded TechQuest innovation grant for $10,000.

PROJECTS

TENOR AI
- Launched multi-platform personal assistant harnessing Dall-E 2 and custom NLP machine learning algorithms; exceeded 50+ users with average 10+ new daily active users.

COMPUTER VISION TOOLKIT
- Produced collection of computer vision tools using Python and TensorFlow with utilization of GPU resources; attained 30+ toolkit downloads.

GOOGLE TRANSLATE CLONE
- Forged multilingual text translator under Seq2Seq encoder-decoder neural network architecture using TensorFlow and Keras.

FAMA FRENCH ALLOCATION ENGINE
- Designed algorithmic engine leveraging Fama French Three Factor model in Python using Scikit-learn to simulate trading strategies; yielded 3x investment profit via paper-trading.

EDUCATION

STEVENS INSTITUTE OF TECHNOLOGY   Hoboken, NJ
Master of Science in Machine Learning   Sept 2020 – May 2023

NEW JERSEY INSTITUTE OF TECHNOLOGY   Newark, NJ
Bachelor of Science in Computer Science   Sept 2016 – May 2020